Chapter 5 : " Hot Swap "

This chapter explains how to remove and install the "Hot-Swap" parts without interrupting the data access while the disk array is on.

The "Hot-Swap" parts include :

- Hard Disk Drives
- Cooling Fans
-

Follow the steps below and refer to the diagrams to remove and install the "Hot-Swap" parts.

Removing / Installing Hard Disk Drives

a. Unlock the HDD Tray

(When a HDD error occurs, the HDD LED indicator lights up " RED ")

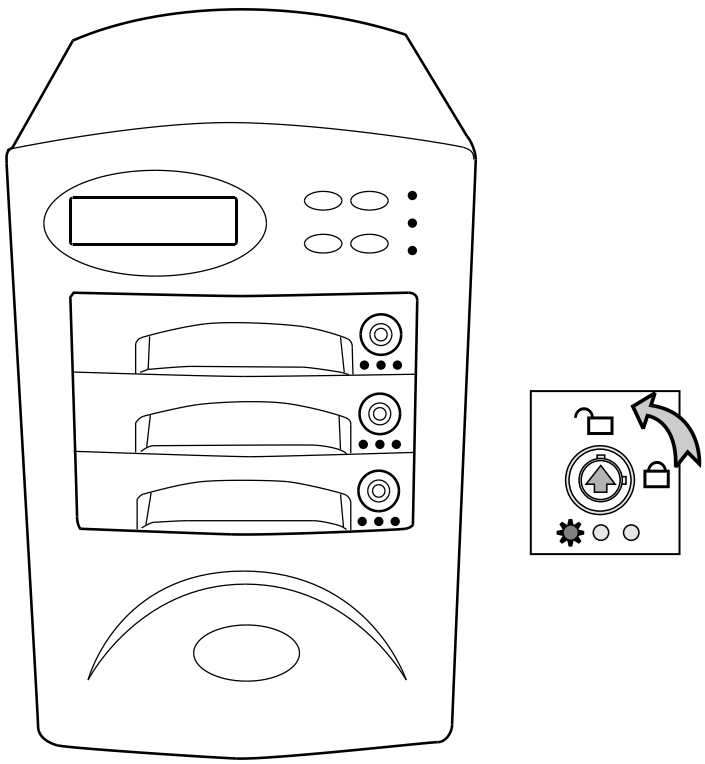

Figure : Swap HDD (Unlock)

b. Gently pull-out the HDD tray

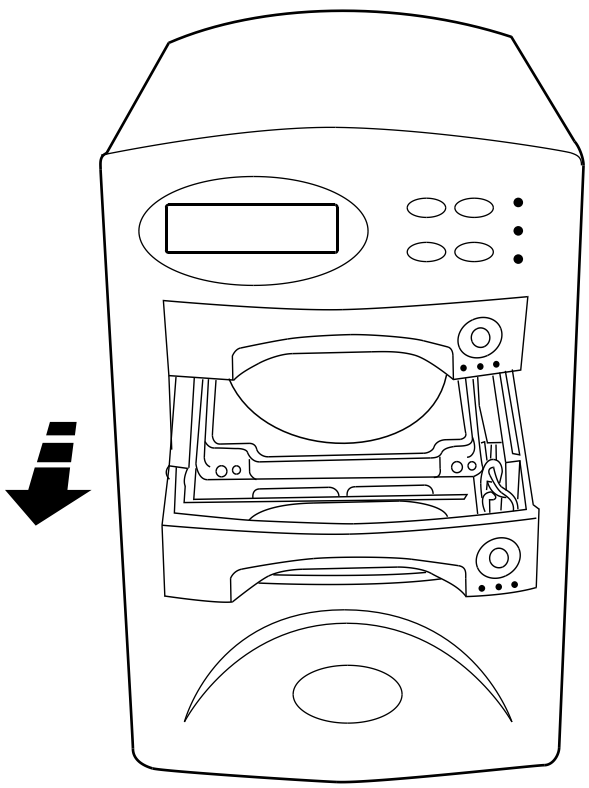

Figure : Swap HDD (Pull-out)

c. Unscrews and Unplug the Cables

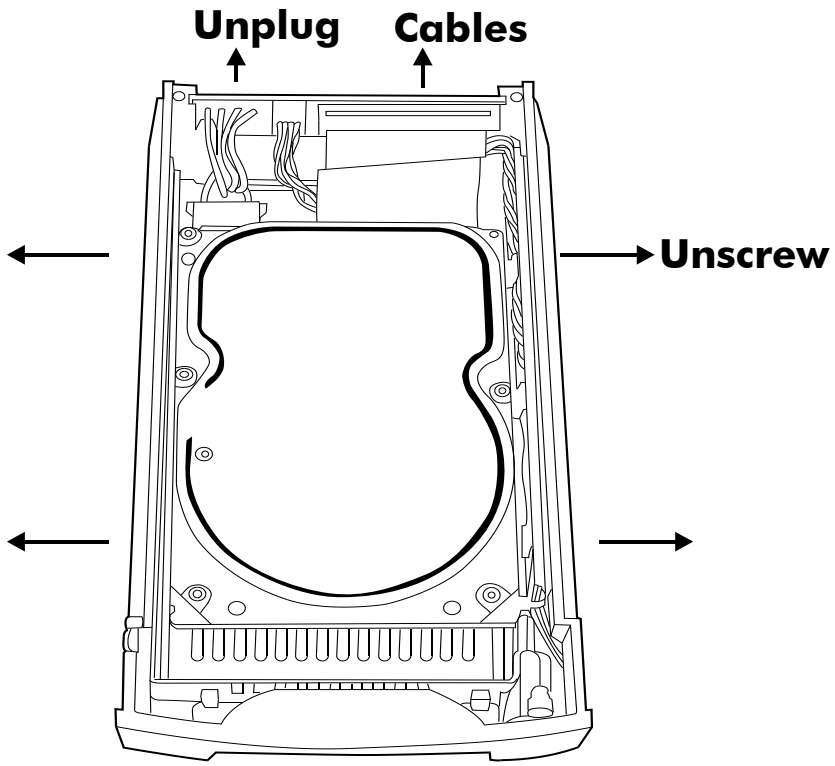

Figure : Swap HDD (Unplug cables)

d. Replace with a new Hard Disk Drive

It must be same capacity or greater than the faulty drive, if you replace with a Hard Disk Drive of insufficient capacity, the Disk Array's built-in buzzer will sound and the intelligent Auto-Rebuild function will not be started.

◎For best performance, we recommend you swap with an identical Hard Disk Drive.

e. Gently slide-in the HDD tray and lock up to start the Auto-Rebuild

When you have installed the replacement disk drive, screw in all the screws and plug in the cables. You may now gently slide in the HDD tray into the chassis and lock up it.

◎Data Auto-Rebuild will be started automatically when you lock up the HDD tray.

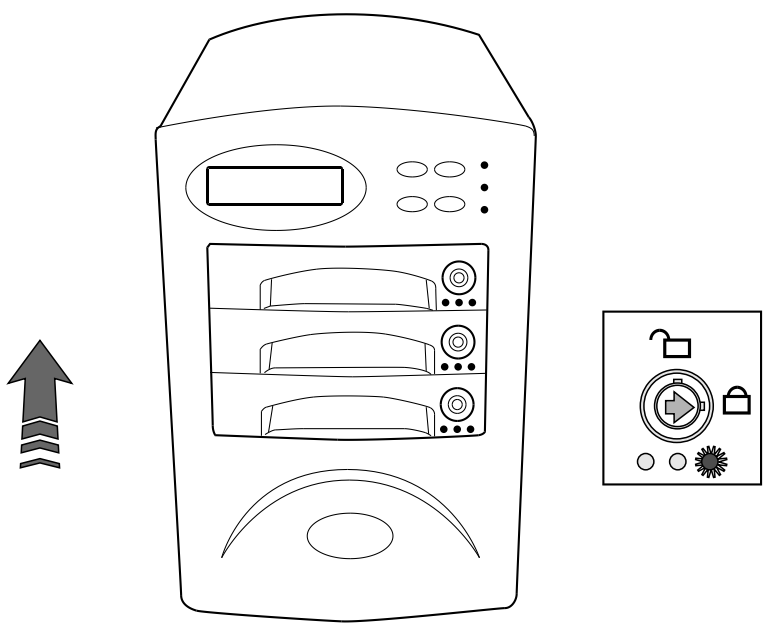

Figure : Swap HDD (Lock Up)

Removing / Installing Cooling Fans

- Unscrew the Fan door and open the door to a 90 degree position

! Caution : Be careful , the high speed rotating fans may harm you. Don't touch the rotating Fans, If necessary, Unplug the Fan power connector first.

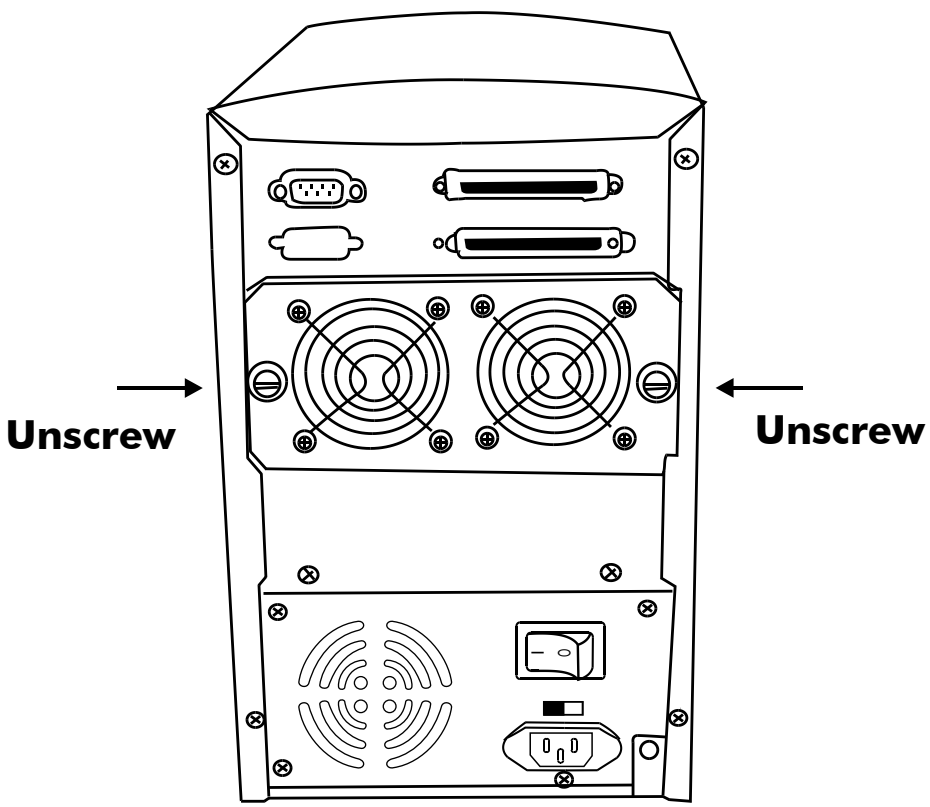

Figure : Swap cooling Fan (Unscrew the Fan Door)

- Unplug the Fan connector
- Unscrew the faulty cooling fan and replace with a good one

  ☆**Important !** The cooling fan's air flow must point to the fan door, please refer to the label on the cooling fan.

- Plug in the fan connector, close the fan door and screw it in

  ! Caution : The cooling fan will rotate immediately when you plug in the fan power connector.

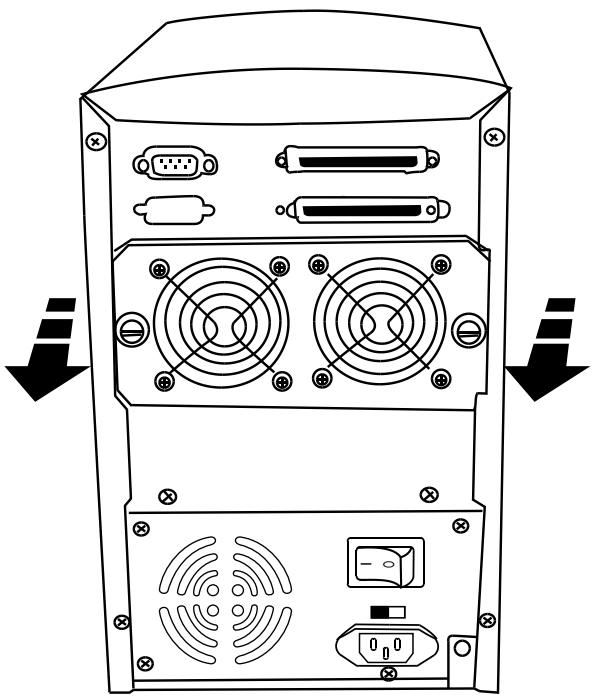

Figure : Swap Cooling Fan (swap with a new Fan)

Technical Specifications

Microprocessor	80486DX2
Cache Memory	Minimum 4MB (16MB*) Maximum 128MB (Two 64MB SIMMs)
DRAM Slots	Two
Module Type	72 Pin SIMMs
DRAM Type	EDO (Extended Data Output) or FPM (Fast Page Mode) Type
DRAM Speed	70ns, 60ns
RAS access time	60ns~70ns
CAS access time	10ns~25ns
Parity	Either parity or non-parity
Read Cache	Read-Ahead
Write Cache	Write Through or Write Back*
Firmware	Flash EEPROM ,256K x 8
SCSI I/O Processor	SYMBIOS 53C895
Serial Port	1x RS232 (Asynchronous) Port
Baud Rate	19,200 (Bits Per Second)
Data Bits	8
Stop Bit	1
Parity	None
RAID Levels	0 , 1 or 5
Data Transfer Rate	Up to 40MB/s (Synchronous)
SCSI ID Assignment	0 ~ 15 (0*)
Tagged-command queuing	Up to 255 simultaneous data requests

Interface : Host Bus	LVD Ultra 2 SCSI
Disk Bus	EIDE with Ultra DMA support Fast ATA-2 (PIO Mode , DMA Mode)
Drives	Hot Swap, User Replaceable Up to Three 3.5inch drives (1" height)
Maximum Fault Tolerant Capacity	＞80GB
Drive MTBF	＞500,000 hrs
Host Requirement	Host Independent
Operating Systems	O/S Independent and Transparent
Data Rebuild	Automatic Data Regeneration
LCD Display Panel	2 x 16 Characters
Cooling Fans	6cm Ball Bearing Fan 2 Fans
Power Supply Capacity	250W
AC Input Voltage	115 / 230V (+/10%) , 60/50 Hz
Environmental	
Relative Humidity	10% to 85% Non-condensing
Temperature Operating :	5℃～ 40℃
Storage :	-25℃～ 60℃
Safety testing	UL, CE and FCC Class B
Dimensions	260mm(H) * 175mm(W) * 310mm(D)
Weight	7 kgs (w/o Disk Drive)

" * " Default Settings

*** Various trademarks belong to their respective owners.